

**KAISER
STEEL**

KAISER STEEL CORPORATION
SUNNYSIDE COAL MINES
SUNNYSIDE, UTAH 84539
TELEPHONE 801-888-4421

February 13, 1985

RECEIVED

FEB 20 1985

**DIVISION OF OIL
GAS & MINING**

*ACI/007/013
#2 + #5*

Dr. Diane R. Nielson, Ph. D.
Division Director
Division of Oil, Gas, & Mining
State of Utah Natural Resources
4241 State Office Building
Salt Lake City, Utah 84114

Dear Dr. Nielson:

Re: Horse Canyon Reclamation Plan and
Bonding Submittal, March 29, 1985

The purpose of this letter is to outline the informational content that will be included with the Horse Canyon submittal (previously the Geneva Mine owned by U. S. Steel Mining Co., Inc.) and to obtain DOGM comments and approval of the format prior to submittal. The primary objective of this submittal is to document that environmental resources will be protected until such time as the mine is re-opened or the disturbed areas are reclaimed. Consequently, information concerning hydrology, land resources, reclamation plans, and performance bond data will be included.

It should be noted that because this submittal is not a mine permit application but rather a reclamation and bonding determination document, the content and format will of necessity vary significantly from other Kaiser Steel submittals. Furthermore, baseline data on environmental resources will be limited. The degree of detail that will be contained in the submittal will probably be similar to that previously submitted for the Geneva Mine by U. S. Steel. It is anticipated that some additional studies will be necessary and will be conducted later in 1985.

The remainder of this letter outlines the format that the March 29, 1985, submittal will take. Because time is of the essence, Kaiser requests that DOGM respond with approval or comments to this letter by March 1, 1985. We also request the regulatory citations that apply to this submittal so that we ensure compliance.

Please feel free to contact Doug Pearce, Sunnyside Mine, or myself if you have any questions. Thank you for your cooperation.

Sincerely,

Susan D. Hasenjager

Susan D. Hasenjager
Permitting/Environmental Consultant
P. O. Box 1109
Arvada, Colorado 8004

SDH:th
Enclosure

*orig mine file
cc M. Boucek
R. Daniels
J. Helfrich
free
DEN*

*Incoming
0070013
R*

- 1.0 Executive Summary
- 2.0 Legal Information
 - 2.1 Scope
 - 2.2 Identification of Interest
 - 2.3 Compliance Information
 - 2.4 Permit Term
 - 2.5 Personal Injury and Property Damage Insurance
 - 2.6 Proposal Performance Bond
 - 2.7 Other Licenses and Permits
- 3.0 Background and Baseline Information
 - 3.1 Previous Mining Operations
 - 3.2 Current Mine Status
 - 3.2.1 Mine and Portals
 - 3.2.2 Facilities and Roads
 - 3.2.3 Sedimentation Ponds
 - 3.2.4 Topsoil Stockpiles
 - 3.3 Land Use
 - 3.4 Hydrology
 - 3.4.1 Surface Water
 - 3.5 Soils
 - 3.5.1 General Soils Description
 - 3.5.2 Soils of Mine Area
 - 3.5.3 Topsoil Suitability and Availability
 - 3.6 Vegetation
 - 3.6.1 General Site Description
 - 3.6.2 Sampling Methods
 - 3.6.3 Results
 - 3.6.4 Discussion
 - 3.7 Reclamation Plan
 - 3.7.1 Final Abandonment
 - 3.7.1.1 Sealing of Mine Openings
 - 3.7.1.2 Removal of Surface Structures
 - 3.7.1.3 Disposition of Dams, Ponds, and Diversions
 - 3.7.2 Backfilling and Grading Plans
 - 3.7.2.1 Recontouring
 - 3.7.2.2 Removal or Reduction of Highwalls
 - 3.7.2.3 Terracing and Erosion Control
 - 3.7.2.4 Soil Distribution and Stabilization
 - 3.7.3 Revegetation Plans
 - 3.7.3.1 Soil Preparation
 - 3.7.3.2 Seeding and Transplanting
 - 3.7.3.3 Mulching
 - 3.7.3.4 Management
 - 3.7.3.5 Monitoring
 - 3.7.3.5.1 Water Discharge Sampling
 - 3.7.3.5.2 Reclamation Success
 - 3.7.4 Schedule of Reclamation
 - 3.7.4.1 Detailed Reclamation Timetable
 - 3.7.5 Reclamation Costs and Bonding Estimate
 - 3.7.5.1 Demolition and Disposal
 - 3.7.5.2 Tipple - Backfilling and Grading
 - 3.7.5.3 Sewage Disposal Plant
 - 3.7.5.4 Water Tank
 - 3.7.5.5 Road Junction Refuse Pile
 - 3.7.5.6 South Fan and Standby Area
 - 3.7.5.7 North Fan Area
 - 3.7.5.8 Sedimentation Ponds
 - 3.7.5.9 Main Yard Area
 - 3.7.5.10 Portal Seals
 - 3.7.5.11 Roads
 - 3.7.5.12 Revegetation Costs